

## M 6.9, VANUATU

Origin Time: Mon 2008-09-08 18:52:08 UTC

Location: 13.51°S 166.97°E Depth: 121 km

## PAGER Version 4

Created: 20 hrs, 26 mins after earthquake

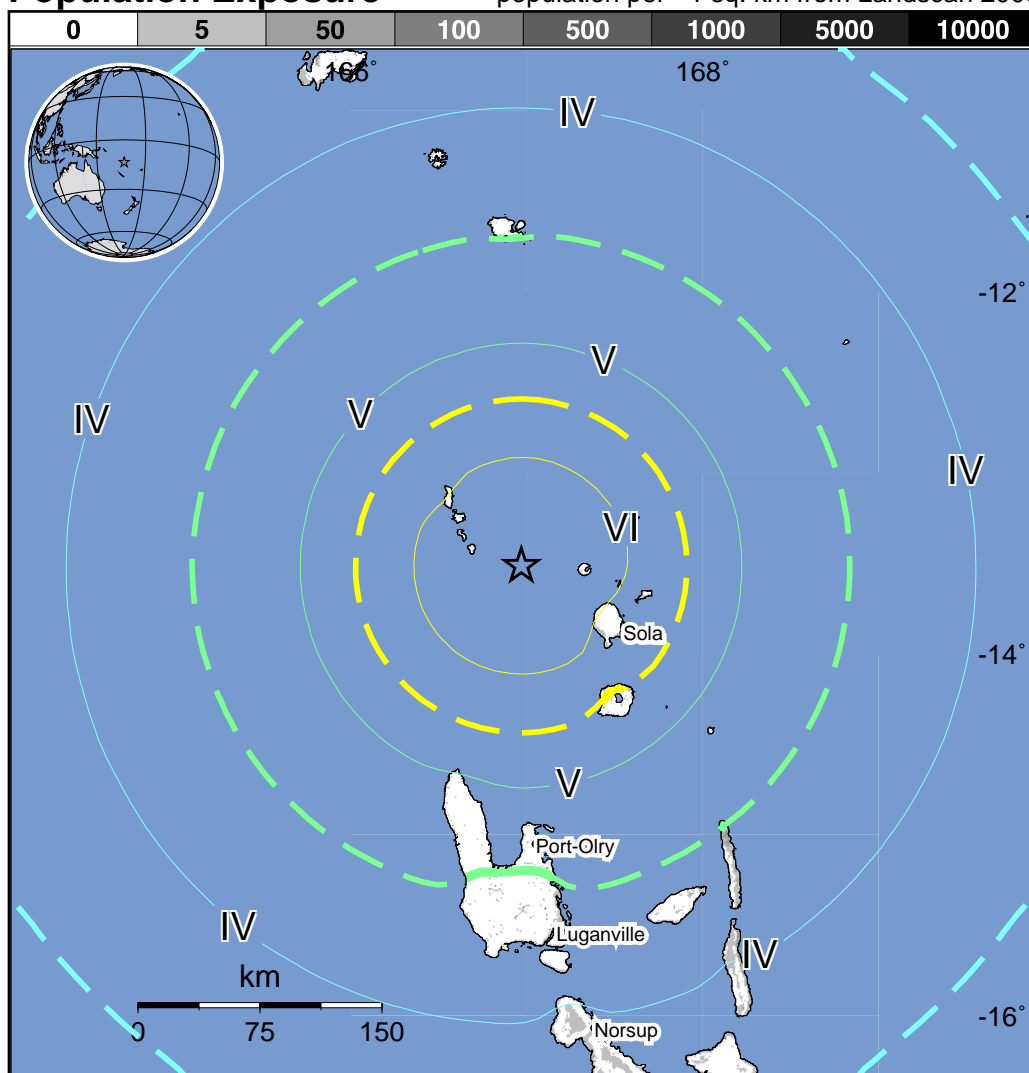
### Estimated Population Exposed to Earthquake Shaking

| ESTIMATED POPULATION EXPOSURE (k = x1000) |                       | --*      | --*    | 95k   | 19k      | 6k       | 0              | 0              | 0        | 0        |
|---|-----------------------|----------|--------|-------|----------|----------|----------------|----------------|----------|----------|
| ESTIMATED MODIFIED MERCALLI INTENSITY     |                       | I        | II-III | IV    | V        | VI       | VII            | VIII           | IX       | X+       |
| PERCEIVED SHAKING                         |                       | Not felt | Weak   | Light | Moderate | Strong   | Very strong    | Severe         | Violent  | Extreme  |
| POTENTIAL DAMAGE                          | Resistant Structures  | none     | none   | none  | V. Light | Light    | Moderate       | Moderate/Heavy | Heavy    | V. Heavy |
|   | Vulnerable Structures | none     | none   | none  | Light    | Moderate | Moderate/Heavy | Heavy          | V. Heavy | V. Heavy |

\*Estimated exposure only includes population within the map area.

### Population Exposure

population per ~1 sq. km from Landsat 2006

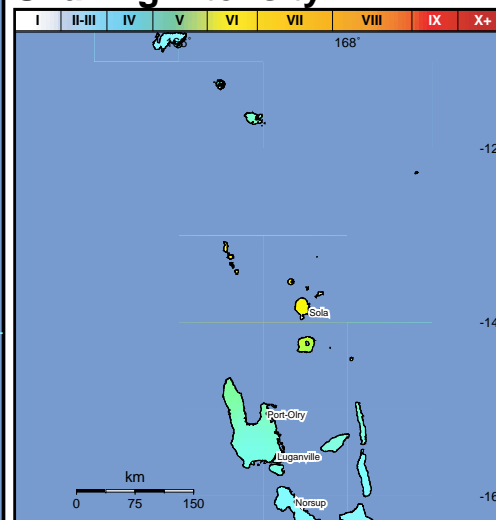


### Selected City Exposure

| MMI City             | Population |
|----------------------|------------|
| <b>VI Sola</b>       | <b>1k</b>  |
| <b>V Port-Olry</b>   | <b>1k</b>  |
| <b>IV Luganville</b> | <b>13k</b> |
| <b>IV Norsup</b>     | <b>2k</b>  |

bold cities appear on map (k = x1000)

### Shaking Intensity



Overall, the population in this region resides in structures that are vulnerable to earthquake shaking, though some resistant structures exist. A magnitude 7.4 earthquake and tsunami 347 km Northeast of this one struck Vanuatu on November 26, 1999 (UTC), with estimated population exposures of 5,000 at intensity VIII and 32,000 at intensity VII, resulting in an estimated 10 fatalities. Recent earthquakes in this area have caused, tsunamis and landslides that may have contributed to losses.

This information was automatically generated and has not been reviewed by a seismologist.

<http://earthquake.usgs.gov/pager>

Event ID: us2008wsbh